

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 27, 1975

PROJECT: Water & Sewer System, Community Center
Crowheart, Wyoming, 82512

ARCHITECT OR ENGINEER: Harold Engstrom, A.I.A.
Suite 232 - Three Parker Place
2600 S. Parker Rd., Denver, Colorado 80232

WATER QUALITY DIVISION REFERENCE NUMBER:

75-151

REVIEWING ENGINEER: William L. Garland *wlg*

DATE OF REVIEW: October 27, 1975

ACTION: (See Comments) Authorized for Construction

COMMENTS: The plans and specifications for this project have been reviewed
and it has been determined that they meet the minimum requirements of our
Agency .

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 28, 1975

PROJECT: Sanitary Sewer Extension, Dubois, Wyoming

ARCHITECT OR ENGINEER: Jim Groves
Nelson, Haley, Patterson & Quirk, Inc.
625 East Madison, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER:

REVIEWING ENGINEER: William L. Garland *wlg* 75-152

DATE OF REVIEW: October 27, 1975

ACTION: Construction not Authorized

COMMENTS:

The following items must be included in the plans and specifications prior to approval by our office:

1. A Detail showing types and dimensions of manholes must be shown.
2. A Detail showing typical water & sewer line x-overs shall be included.
3. Each set of plans shall display the seal or signature of the designing engineer.

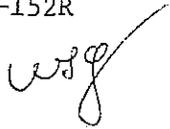
REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Dubois Sewer Improvements
Dubois, Wyoming

ARCHITECT OR ENGINEER: Jim Gores, Nelson, Haley, Patterson and Quirk, Inc.
625 East Madison, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 75-152R

REVIEWING ENGINEER: William L. Garland, P.E. 

DATE OF REVIEW: January 20, 1976

ACTION: Authorized for Construction

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Comfort Station on Douglas-Converse Golf Course
2. ARCHITECT OR ENGINEER: John Lambert
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-154R
4. REVIEWING ENGINEER: Jake Strohman, Paul C. Schwieger, P.E. 
5. DATE OF REVIEW: 10/20/75
6. ACTION: Construction authorized.
7. COMMENTS:

GENE L. PAYNE, JR.
Mayor

JOSEPH B. SULLIVAN
City Attorney

GEORGIA M. GRAVES
Town Clerk & Treasurer

FTY B. KRIVANEC
Deputy Clerk

LARRY CRUMMER, Councilman
GEORGE FROGGATT, Councilman
ROBERT DIERMAN, Councilman
MERLEN FRYE, Councilman

DAVID S. BARBER
Chief of Police

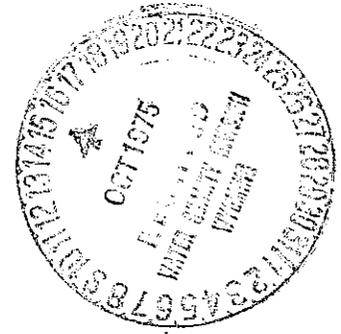
TOWN OF DOUGLAS

130 SO. 3RD

DOUGLAS, WYOMING

October 13, 1975

75-154R



Wyoming Department of Environmental Quality
Water Quality Division
State Office Building
Cheyenne, Wyoming 82001

Reference Number 75-154

Dear Sirs:

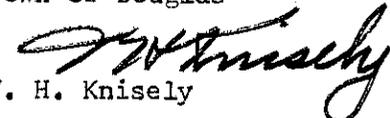
Relative to Comfort Station on Douglas-Converse Golf Course, Town of Douglas, Converse County, Wyoming, request for permit, I am enclosing revised plans and specs.

Your review on September 26, 1975, had comments listed 1 through 6 which have been complied with.

I trust that a permit will be issued in the near future.

Yours very truly,

Town of Douglas


V. H. Knisely

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: **Oildale Trailer Park, Block 2, City of Evansville, Gerdon & Wright/Owners.**

ARCHITECT OR ENGINEER: **Ardys G. Entsminger, Robinson Engineering & Surveying,
2950 S. Fox St., Englewood, CO 80110**

WATER QUALITY DIVISION REFERENCE NUMBER: **75-156R**

REVIEWING ENGINEER: **Jake Stromman, Paul C. Schwieger, P.E.** 

DATE OF REVIEW: **October 8, 1975**

ACTION: **Construction authorized**

COMMENTS:

HJS:jk
10/10/75

cc: **Nix Anderson, Casper-Natrona Co. Health Dept., Casper, WY**

Wack

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

1. PROJECT: Patterson Subdivision, Water and Sewer Improvements
Town of Ranchester, Sheridan County, Wyoming
2. ARCHITECT OR ENGINEER: W. J. Pilch & Associates
P. O. Box 6488, Sheridan, Wyoming 82801
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-157R
4. REVIEWING ENGINEER: Roy E. Prior, Paul Schwieger, P.E. 
5. DATE OF REVIEW: 11/14/75
6. ACTION: Authorized for construction
7. COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: **Rolling Hills Subdivision, Water and Sewer Extensions, Gillette, WY**

ARCHITECT OR ENGINEER: **Plains Engineering, R. J. Timm, P.E., P. O. Box 117,
Gillette, WY 82716**

WATER QUALITY DIVISION REFERENCE NUMBER: **75-159**

REVIEWING ENGINEER: **Roy E. Prior, Paul C. Schwieger, P.E.** *PS*

DATE OF REVIEW: **October 10, 1975**

ACTION: **Construction authorized.**

COMMENTS:

REP:jk
10/10/75

cc: **Malcolm Crawford, District Sanitarian, Gillette, WY
Department of Planning and Development, City of Gillette, Campbell County, WY**

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Greybull Heights Water Users, Inc., Distribution System, Greybull, Wyoming

ARCHITECT OR ENGINEER: Harry Schmitt, P.E., Mueller Engineering, Inc.,
Plaza Office Building A, Suite 7, 1629 Avenue D,
Billings, Montana 59102

WATER QUALITY DIVISION REFERENCE NUMBER: 75-160

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *wlg*

DATE OF REVIEW: August 12, 1976

ACTION: Construction Authorized
(Engineer agreed with comments below and is sending an addendum)

COMMENTS:

1. AWWA C-900-75 shall be used for water lines. (Minimum SDR of 25)
2. The outlet for the flushing valve should be located 4" above standing or runoff water and this office recommends a concrete support of some sort.
3. Space should be provided in pump vault for an additional pump at a later date if expansion requires a standby unit.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 4, 1975

1. PROJECT: 10" VCP sewer line on Murray Street from Harshman to Colorado Street
Rawlins, Carbon County, Wyoming
2. ARCHITECT OR ENGINEER: Michael J. Winterling, P.E., City Engineer
City of Rawlins, Rawlins, Wyoming 82301
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-161
4. REVIEWING ENGINEER: *Frank R. Harman* Frank R. Harman P.E.
5. DATE OF REVIEW: November 4, 1975
6. ACTION:
7. COMMENTS: Authorized for Construction

FH/jb

cc: Phillip Hughes, Dist. Sanitarian, 138 Railroad, Green River, Wyo. 82935

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Sanitary Sewer Rehabilitation, Jackson Hole Golf and Tennis Club

ARCHITECT OR ENGINEER: Gerald Lukasik, Christian, Spring, Sielbach and Associates,
2020 Grand Avenue, Billings, Montana 59102

WATER QUALITY DIVISION REFERENCE NUMBER: 75-162

REVIEWING ENGINEER: William L. Garland, P.E. 

DATE OF REVIEW: October 22, 1975

ACTION: Authorized for Construction 

COMMENTS:

WLG:lac
October 22, 1975

cc: Corky Moyer, Teton County Sanitarian, Jackson, Wyoming
Phillip Hughes, District Sanitarian, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: **Carriage Lane & Bretton Drive Sewer Extension, Casper Eastgate Addition**

ARCHITECT OR ENGINEER: **Lenhart, P.E. No. 520, Casper Board of Public Utilities,
136 W. 8th St., Casper, WY 82601**

WATER QUALITY DIVISION REFERENCE NUMBER: **75-163**

REVIEWING ENGINEER: **Jake Strohman, Paul C. Schwieger, P.E.** 

DATE OF REVIEW: **October 9, 1975**

ACTION: **Construction authorized**

COMMENTS:

HJS:jk
10/10/75

cc: **Nix Anderson, Casper-Natrona Co. Health Dept., Casper, WY**

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 28, 1975

PROJECT: Hilltop Court, Mobile Home Park
Sweetwater County

ARCHITECT OR ENGINEER: William H. Smith L.S.
P.O. Box 654
Green River, Wyoming 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 75-165

REVIEWING ENGINEER: William L. Garland, P.E. *wlg*

DATE OF REVIEW: October 28, 1975

ACTION: Construction Not Authorized

COMMENTS:

The following items must be complied with prior to approval by our office.

1. All plans & specifications must bear the seal or signature of a licensed professional engineer in the state of Wyoming. A land surveyor's license does not qualify under existing State statutes.
2. All mobile home park layouts must be reviewed by the Environmental Surveillance & Control section of the Division of Health and Medical Services.
3. A chemical & bacteriological evaluation of water supply must be run and results submitted to our office for review and approval.
4. A detail of the septic tank showing all dimensions must be provided.
5. Recommend the leach field be re-designed to incorporate a closed loop versus single line.
6. A complete set of specifications must be provided for such items as septic tank, leach field, water line installation, methods of backfill, provisions for water distribution system disinfection, etc.

I recommend that serious consideration be given to an alternate method of waste disposal. A collection system with a single treatment and disposal system would better facilitate the needs of park and allow for hookup to a community facility in the future, with less overall cost. I feel the economic gains warrant investigation of this central facility on the basis of initial investment.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: KLH Trailer Park, Sewer Modification Only,
Kirk L. Harris, Box 35, Alcova, WY 82620

ARCHITECT OR ENGINEER: James H. Thompson, P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 75-166

REVIEWING ENGINEER: Jake Strohman, Paul C. Schwieger, P.E. *JCS*

DATE OF REVIEW: October 9, 1975

ACTION: Construction is not authorized.

COMMENTS: The following items will have to be incorporated into plans and specifications:

1. Material specifications for sewer line are required;
2. Show a typical lot showing exact location of sewer and water risers and their associate branch lines;
3. Show detail and specifications of sewer riser and associate branch line and connection to 6" collection main;
4. Six inch is the minimum diameter of collection line. Four inch may be used on sewer risers;
5. Show profile of sewer line;
6. Two 42" minimum diameter manholes are required. One at the end of collection line and the other preceding septic tanks;
7. Show or state width of leach trenches. Tie ends of leach trenches together with perforated pipe;
8. Percolation rates need to be furnished to determine leach field size requirements;
9. Specify trench backfill specifications.

HJS:jk
10/10/75

cc: Nix Anderson, Casper-Natrona Co. Health Dept., Casper, WY

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Sanitary Sewer Rehabilitation, Jackson Hole Golf and Tennis Club

ARCHITECT OR ENGINEER: Gerald Lukasik, Christian, Spring, Sielbach and Associates,
2020 Grand Avenue, Billings, Montana 59102

WATER QUALITY DIVISION REFERENCE NUMBER: 75-162

REVIEWING ENGINEER: William L. Garland, P.E. 

DATE OF REVIEW: October 22, 1975

ACTION: Authorized for Construction 

COMMENTS:

WLG:lac
October 22, 1975

cc: Corky Moyer, Teton County Sanitarian, Jackson, Wyoming
Phillip Hughes, District Sanitarian, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 7, 1975

1. PROJECT: Schrandt Mobile Home Park
Orin, Wyoming Converse County
2. ARCHITECT OR ENGINEER: Mannon & Associates.
Box 963, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-164R
4. REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. 
5. DATE OF REVIEW: 11/6/75
6. ACTION: Construction Authorized (see compliance items)
7. COMMENTS:

A discharge permit will have to be applied for or a legal agreement furnished to W.Q.D., the owner and the rancher, stating that the rancher will take responsibility of the wastewater and that the water will never discharge or threaten to discharge into State waters. The rancher should be made aware that flood irrigation is not acceptable as this method is considered to threaten State waters unless all runoff is collected and stored in a reservoir. If I was a rancher and confronted with the same situation, I would ensure that the water quality was not my responsibility (Schrandt's have a discharge permit) and I could dispose of the water by any method. The method of disposal will have to be stated in the agreement if Schrandt does not have a discharge permit.

The O & M manual is not complete as the ideal operating percentage of settleable solids of mixed liquor is not mentioned nor is there any procedure for removal of settleable solids should this percentage become too high to allow the plant's efficient operation.

Also have the plant owner state (in writing to this Department) what is intended to be done with screenings or sludge waste from plant. State sanitary landfill where wastes will be disposed.

The chlorine contact chamber is designed very poorly as settling will take place and there are no provisions for cleaning this chamber. The material that settles in this contact chamber will go septic and affect the quality of the effluent. It is, therefore, mandatory that this chamber have provisions to drain so that cleaning can be accomplished. Send proposal.

JS/jb

cc: Malcomb Crawford

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

December 4, 1975

PROJECT: Sewage Treatment Facilities - Contract No. 1
Vanguard II Mine, Hanna, Wyoming

ARCHITECT OR ENGINEER: McLaughlin Industrial Wastes Engineers
2420 Alcott St., Denver, Colorado, 80211

WATER QUALITY DIVISION REFERENCE NUMBER: 75-167

REVIEWING ENGINEER: Frank R. Harman *Frank R. Harman*

DATE OF REVIEW: December 4, 1975

ACTION: Authorized for Construction

COMMENTS:

FRH/jb
cc: Phillip Hughes, District Sanitarian, 138 Railroad Ave.
Green River, Wyoming 82935

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Proposed pipeline and reservoir site for Husky Oil Refinery, Cheyenne, Wyoming

ARCHITECT OR ENGINEER: HNB Consulting Engineers, 1709 Carey Avenue, Cheyenne, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 75-168

REVIEWING ENGINEER: Frank R. Harman, P.E. *Frank R. Harman*

DATE OF REVIEW: 10-14-75

ACTION: Authorized for construction

COMMENTS:

FRH:lac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 12, 1975

1. PROJECT: Rancho Road Sewer Collection Project
Country Kitchen Restaurant
Casper, Wyoming Natrona County
2. ARCHITECT OR ENGINEER: Gray C. Wangelin, P.E.
Howard, Needles, Tammen & Bergendoff,
P.O.Box 3101, International Bldg., Casper, Wyo. 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-169R
4. REVIEWING ENGINEER: Jake Strohman Paul Schwieger, P.E. 
5. DATE OF REVIEW: November 11, 1975
6. ACTION: Construction Authorized (see compliance items)
7. COMMENTS:

The sewer lines coming from the restrooms should not flow through the grease trap. The restroom lines should connect to the main downstream from the grease trap and only kitchen wastes flow through the grease trap.

The sentence in paragraph 621.03 of Section 621 shall read:

"Where it is not possible to maintain ten feet between water and sewer lines, a minimum vertical distance of 18 inches between the top of the sewer line and the bottom of the water line shall be maintained and the sewer line constructed of cast iron or PVC meeting potable water line specifications and pressure tested to 50 psi (with no leakage) to a point where the ten foot horizontal clearance is maintained. Water lines crossing over sewer lines shall have a vertical separation of 18 inches minimum between the top of the sewer line and the bottom of the water line. Where this vertical separation with water line crossing over the sewer line cannot be maintained, the sewer line shall be constructed of structurally supported cast iron with watertight joints for a horizontal distance of ten (10) feet (perpendicular to water line).

The approved set of plans and specifications returned to your office need to be updated with the latest revisions sent to our office as only one set of addendums was received.

JS/jb

cc: Nix Anderson, Casper-Natrona County Health Dept. Casper, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Shop, Warehouse and Support Facilities, Water and Sewer
Getty Oil Company, Shirley Basin, Wyoming

ARCHITECT OR ENGINEER: Pinkney Randal Jr., A.A. Mathews Inc.
P.O. Box 3700, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 75-170

REVIEWING ENGINEER: Frank R. Harman, P.E.

Frank R. Harman

DATE OF REVIEW: October 23, 1975

ACTION: Authorized for Construction

COMMENTS:

FRH:lac
October 23, 1975

cc: Phillip Hughes, District Sanitarian, 138 Railroad, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 22, 1975

PROJECT: Sewer Line and Lift Station
Imperial Development Co. Apartment House, Rock Springs, WY

ARCHITECT OR ENGINEER: Wayne L. Johnson
Johnson-Fermelia & Crank, Inc. P.O. Box 1633
Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 75-171

REVIEWING ENGINEER: William L. Garland, P.E. *WLG*

DATE OF REVIEW: October 22, 1975

ACTION: Construction not authorized.

COMMENTS:

At the time I discussed this project with the owners, I was under the impression that the system was gravity flow to the existing system. It will be necessary to submit details on the lift station prior to completing this review.

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

- 1. PROJECT: Sewage Treatment Improvements for Little America
Cheyenne, Wyoming
- 2. ARCHITECT OR ENGINEER: HNB Consulting Engineers
214 East 7th Ave.
Cheyenne, Wyoming 82001
- 3. SANITARY ENGINEERING SERVICES REF. NO.: 75-171
- 4. REVIEWING ENGINEER: Frank R. Harmon, P.E.
by DEW.
- 5. DATE OF REVIEW: November 12, 1975
- 6. ACTION: Authorized for construction with comments.
- 7. COMMENTS:

These preliminary plans are approved. However, detailed plans and specifications are required to be submitted, prior to construction, for review towards approval.

FRH/jb

cc: Paul Cooley, General Manager, Little America, Cheyenne
John Wagner, DEQ, with copy of plans returned.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Sewer line
Imperial Development Company, Apartment House, Rock Springs

ARCHITECT OR ENGINEER: Wayne L. Johnson, Johnson - Fermelia & Crank, Inc.
P.O. Box 1633, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 75-171

REVIEWING ENGINEER: William L. Garland, P.E. *wlg*

DATE OF REVIEW: February 10, 1976

ACTION: Authorized for Construction

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Septic Tank and Leach Field, Log Inn Supper Club, Rock Springs, Wyoming

ARCHITECT OR ENGINEER: Charles H. Nixon, Nelson Engineering, P.O. Box 365,
Green River, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 75-172

REVIEWING ENGINEER: William L. Garland, P.E. *WLG*

DATE OF REVIEW: October 22, 1975

ACTION: Construction Not Authorized

COMMENTS:

- 1) A detailed drawing of the proposed 1000 gallon septic tank must be included on the plans.
- 2) Specifications for backfilling of the septic tank and all sewer lines shall be included.

WLG:lac
October 22, 1975

cc: Phillip Hughes, District Sanitarian, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 3, 1975

1. PROJECT: Log Inn Supper Club Septic System
2. ARCHITECT OR ENGINEER: Anton L. Yugovich
164 Flaming Gorge Way
Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-172
4. REVIEWING ENGINEER: William L. Garland *WLG*
5. DATE OF REVIEW: November 3, 1975
6. ACTION: Authorized for Construction
7. COMMENTS:

WLG/jb

cc: Mr. Phil Hughes, District Sanitarian, Green River

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 24, 1975

PROJECT: Sewage Disposal System
Superior Tire Store, Green River, Wyoming 82935

ARCHITECT OR ENGINEER: J. E. Kessner
1304 Cottonwood Drive, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 75-174

REVIEWING ENGINEER: William L. Garland, P.E. *wsg*

DATE OF REVIEW: October 23, 1975

ACTION: Construction not authorized.

COMMENTS: The following items must be provided prior to approval by
our office:

1. Detail of the septic tank showing all elevations and pertinent dimensions.
2. All grades and depth of sewer line must be shown.
3. Location of all existing utilities such as wells, distribution lines, etc.
4. Specifications on backfill of septic tank and sewer line.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 24, 1975

1. PROJECT: Sewerage Disposal System
Superior Tire Store
Green River, Wyoming 82935
2. ARCHITECT OR ENGINEER: J. E. Kessner
1304 Cottonwood Dr., Rock Springs, Wyoming 82901
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-174R
4. REVIEWING ENGINEER: William L. Garland, P.E. *wlg*
5. DATE OF REVIEW: November 24, 1975
6. ACTION: Construction Authorized
7. COMMENTS:

WLG/jb

cc: Phil Hughes, District Sanitarian, Green River, Wyoming 82935

Good

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: North Burlington Resubdivision, Buffalo, Wyoming

ARCHITECT OR ENGINEER: Wolz & Associates, Inc., P.O. Box 322, Casper, Wy.

WATER QUALITY DIVISION REFERENCE NUMBER: 75-176

REVIEWING ENGINEER: Roy E. Prior , Art Williamson, P.E.

Art Williamson

DATE OF REVIEW: 11-13-75

ACTION: Not authorized for construction

COMMENTS: The following information is necessary to evaluate these plans:

- A. Details on individual taps
- B. Details on surface water crossings.
- C. Letter of acceptance from the Town of Buffalo
- D. Minimum 10 feet horizontal separation of water and sewer lines.
The minimum size of sewer line allowed in a subdivision is 8 inches.
The maximum distance allowed between manholes is 400 ft.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 75-176R

North Burlington Subdivision Sewer and Water
(Name of Facility)

This permit hereby authorizes the applicant:

Charles Spratt, Robert Moberly, Dan Hamm
(Last) (First) (Middle)
c/o Wolz and Associates
Room 131 Midwest Building
(Street or P.O. Box)
Casper Wyoming
(City) (County) (State)

to construct, install, or modify a Sewage Collection, Water Distribution
facility located in Sec. 26-27, T51N, R82W
(Legal Description)

in the County of Johnson, in the State of
Wyoming. This permit shall be effective for a period of 3 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

RE Williamson
for
Director
Wyoming Dept. of Environmental Quality

April 16, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

October 24, 1975

PROJECT: Water and Wastewater Treatment Facilities
Chiver's Trailer Court, Sweetwater County, Wyoming

ARCHITECT OR ENGINEER: Wayne L. Johnson
Johnson-Fermelia & Crank, Inc.
P.O. Box 1633, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 75-178

REVIEWING ENGINEER: William L. Garland, P.E. *WLG*

DATE OF REVIEW: October 23, 1975

ACTION: Construction not authorized ~~_____~~

COMMENTS: The following additional information is required prior to approval by this office:

1. Detail showing septic tank design, i.e., baffles, elevator influent & effluent pipes, thickness, etc.
2. Specifications on installation of septic and method of backfill
3. Typical section of bedding material, etc., for leach field.
4. All pertinent information on water supply necessary to insure a minimum pressure of 20 psi at all services. Include all design computation.
5. Detail at existing well and well house. Is there any reserve storage provided?
6. Location of manholes on collection system and hydrants or flushing devices on water distribution system.
7. Specifications on disinfection of water supply and distribution system prior to use.
8. Specifications for backfill on all water and sewer lines.
9. Specifications and provisions for pressure testing distribution system.
10. Elevations, grades and depth of cover on all water and sewer lines shall be provided. All water and wastewater treatment facilities plans and specifications must be signed by a licensed engineer in the State of Wyoming.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 4, 1975

1. PROJECT: Eastgate Subdivision Sewer Extensions
Somerset, Carriage Lane & Avon Streets
City of Casper, Natrona County
2. ARCHITECT OR ENGINEER: Worthington, Lenhart & Carpenter Inc,
632 South David
Casper, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-179
4. REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. 
5. DATE OF REVIEW: November 4, 1975
6. ACTION: Construction Authorized
7. COMMENTS:

Future drawings should have a statement that installations shall meet City of Casper Specifications (as approved by this office). Designing engineer's signature is also required.

JS-PS/jb

cc: Nix Anderson, Casper-Natrona County Health Dept., Casper, Wyoming

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 25, 1975

- 1. PROJECT: Elmo Water & Sewer System
- 2. ARCHITECT OR ENGINEER: Johnson Fermelia & Crank , Consulting Engineers & Surveyers, P. O. Box 631, Kemmerer, Wyoming 83101
- 3. SANITARY ENGINEERING SERVICES REF. NO.: 75-180
- 4. REVIEWING ENGINEER: *Frank R. Harmon* Frank R. Harmon, P. E.
- 5. DATE OF REVIEW: November 25, 1971
- 6. ACTION: Authorized for Construction
- 7. COMMENTS:

FRH/jb

cc: Philip Hughes, District Sanitarian, 138 Railroad, Green River, Wyo. 82935

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Sun Oil Company, Belle Fourche Coal Project
Sewage treatment Plant - Gillette, Campbell County,

ARCHITECT OR ENGINEER: Fluor Utah Inc.

Sunoco Energy
Development Company
12700 Park Central Pl.
Suite 1500, Dallas, Texas
75251

WATER QUALITY DIVISION REFERENCE NUMBER: 75-181

REVIEWING ENGINEER: Roy E. Prior, ^{RS} Frank R. Harman P.E.

Frank R. Harman

DATE OF REVIEW: December 30, 1975

ACTION: Not authorized for construction

COMMENTS:

Complete details on the collection, treatment, ponds and discharge system are needed to evaluate this facility.

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 75-181R

Belle Fourche Coal Project
(Name of Facility)

This permit hereby authorizes the applicant:

Sundance Energy Development Company
(Last) (First) (Middle)
12700 Park Central Place, Suite 1500
(Street or P.O. Box)
Dallas Texas 75251
(City) (County) (State)

to construct, install, or modify a Sewage Treatment Facility
facility located in Lat. 105° 17' 19" Lou. 44° 1' 52"
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of 5 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:



Director
Wyoming Dept. of Environmental Quality

March 30, 1976

Date of Issuance

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

November 25, 1975

PROJECT: Garage Buildings, Kael Jaspersen
Box 101, Space 10A, Green River, Wyoming 82935

ARCHITECT OR ENGINEER: None

WATER QUALITY DIVISION REFERENCE NUMBER: 75-182

REVIEWING ENGINEER: William L. Garland, P. E. *WLG*

DATE OF REVIEW: November 25, 1975

ACTION: Construction Not Authorized

COMMENTS:

All plans & specifications for waste treatment facilities to be constructed in the State of Wyoming must be signed by a licensed professional engineer in the State of Wyoming. These plans & spec's must include the following:

1. Septic tank detail
2. Slopes & depths of all sewer lines
3. Material specifications
4. Placement specifications
5. Detail of cleanouts

WLG/jb

cc: Mr. Phil Hughes, District Sanitarian, Green River
Mr. Robert Coffman, Environmental Surveillance & Control, Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Little Powder School, Campbell County School District, Gillette, Wyoming

ARCHITECT OR ENGINEER: Gorder/South and Associates
410 South Poplar, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 75-183

REVIEWING ENGINEER: Roy E. Prior, Paul Schwieger P.E. 

DATE OF REVIEW: January 2, 1976

ACTION: Construction not authorized

COMMENTS:

1. Some data on predicted sewage flows shall be provided.
2. Minimum access dimension shall be 20 inches.
3. Transfer between septic tank compartments shall be baffled, and a vent between compartments shall be provided.
4. Septic tank outlet shall allow a distance of 20 percent of the liquid depth between the top of the liquid and the bottom of the access covers. Maximum liquid depth shall be 5 ft.
5. Dimensions for baffles shall be 1 inch from the top of the tank to 40 percent of the liquid depth.
6. The ends of all disposal field lines shall be connected together. Maximum single line length shall be 100 ft..
7. The water lines shall be disinfected with a 50 ppm chlorine solution for at least 24 hours. A bacteriologic test shall be made afterward. If the test is unsatisfactory, disinfection will be repeated until a satisfactory water sample is obtained.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Little Powder School, Campbell County School District,
Gillette, Wyoming

ARCHITECT OR ENGINEER: Gorder/South and Associates
410 South Poplar, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 75-183R

REVIEWING ENGINEER: Roy E. Prior, ^{REF} Paul C. Schwieger, P.E. 

DATE OF REVIEW: February 17, 1976

ACTION: Authorized for Construction.

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 4, 1975

1. PROJECT: New Sewer Line on Washington Street from State to Mugus on Hugus
from Grant to Washington; Rawlins, Wyoming
2. ARCHITECT OR ENGINEER: Michael J. Winterling, P.E., City Engineer
City of Rawlins, Rawlins, Wyoming 82301
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-184
4. REVIEWING ENGINEER: *Frank R. Harman* Frank R. Harman, P.E.
5. DATE OF REVIEW: November 4, 1975
6. ACTION: Authorized for Construction
7. COMMENTS:

FH/jb

cc: Philip Hughes, District Sanitarian, 138 Railroad, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Plant Control Drainage System
FMC Corporation, Box 872, Green River, Wyoming 82935

ARCHITECT OR ENGINEER: Kenneth Bruns, P.E.
FMC Corporation, Box 872, Green River, Wyoming 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 75-185

REVIEWING ENGINEER: William L. Garland *wlg*

DATE OF REVIEW: January 6, 1976

ACTION: Authorized for Construction

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 24, 1975

1. PROJECT: Triple K Trailer Court
Mrs. Mary Knezovich, Box 133, Superior, Wyoming 82945
2. ARCHITECT OR ENGINEER: None
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-186
4. REVIEWING ENGINEER: William L. Garland, P.E. *wlg*
5. DATE OF REVIEW: November 24, 1975
6. ACTION: Construction Not Authorized
7. COMMENTS:

All plans & specifications submitted for review and approval must bear the seal or signature of the designing engineer licensed in the State of Wyoming.

A complete set of plans & specifications are required covering all aspects of design and construction prior to review by this agency.

WLG/jb

cc: Phil Hughes, District Sanitarian, Green River, Wyoming
Mr. Robert Coffman, Environmental Surveillance & Control, Cheyenne, Wyo.



Department of Environmental Quality
Water Quality Division

STATE OFFICE BUILDING WEST

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 17, 1975

RE : 75-187

Kit Cody &/or Glen Rice
P. O. Box 27
Cody, Wyoming 82414

Dear Sirs:

The layout information for Riversbend Trailer Court was not sufficient to evaluate the modification of the existing facility or the extension of the water and sewer systems. The following items shall be furnished within thirty (30) days after the receipt of this letter:

1. Where does the sewer from the fifteen (15) trailers, the shower house, the house and the office trailer go to? Show the location.
2. What is the percolation rate for the disposal field?
3. Show a cross section of the leach field construction.
4. Are there any manholes or cleanouts installed?
5. What depth is the sewer installed at?
6. Give a cross-section detail of the sewer riser and water riser and associate branch line.
7. What is the water pressure at the end of the water line? Is there a blowoff or flushing valve installed at the end of the water line? Show design calculations for hydraulic capacity and pressure for the water distribution extension.
8. Give a typical lot detail showing lot trailer location, utilities locations and location of associate branch lines.

Page 2

9. What is the output in gpm of the water well? Is there any storage capacity?

10. Were the new water lines disinfected prior to use?

11. Was any pressure test accomplished on water lines prior to burial?

12. Does the water line have "NSF" approval seal?

13. How deep is the water line buried?

14. What were the trench backfill specifications?

Since this design data will have to be based on information provided by Althoff Construction Company, the certifying engineer is required only to certify that they correctly reflect the facility as installed based on the information provided by Althoff's personnel. The names of Althoff personnel supplying the information should be indicated.

If you have any further questions, please let me know.

Very Truly Yours,

Jake Strohmman
(G.A.)

Jake Strohmman
Water Quality Engineer

JS/jb

cc: William G. Cody, Attorney at Law



Department of Environmental Quality
Water Quality Division

STATE OFFICE BUILDING WEST

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

Kit Cody &/or Glen Rice
P. O. Box 27
Cody, Wyoming

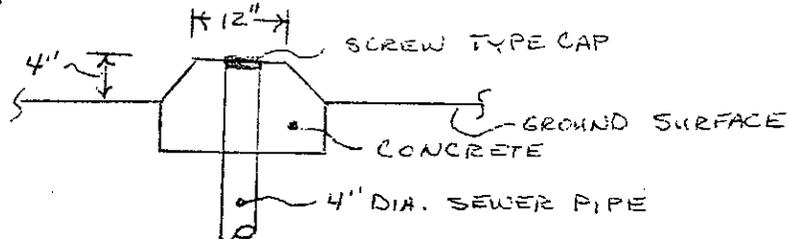
RE: 75-187R Riversbend Trailer Park, Cody

Gentlemen:

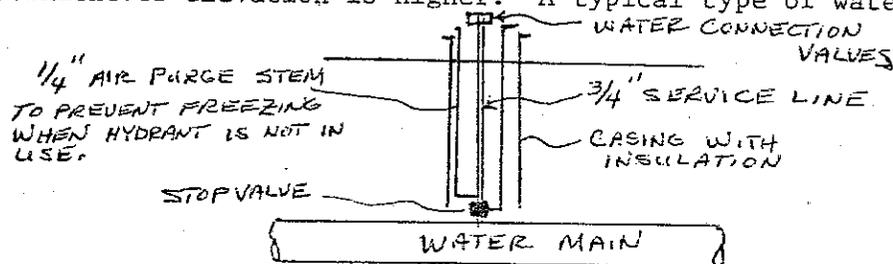
I have evaluated your sewer system and parts of your water system from the information you have furnished.

1. By my calculations, your leach field should be sized sufficiently. Using 35 hookups (omitting shower house), your leach field is designed for 7.84 gallons per sq. ft. per day. Most percolation rates around Cody area exceed this. Is there any ground water table within 7 foot of the surface in the area of the leach field?
2. The septic tanks are only a wide spot in your line. Minimum size for septic tank for your facility is 12,600 gallons. A design rate of 750 gallons for the first unit and 350 gallon for each additional unit was used. At the least volume the first tank should be 1/2 of the total required volume (6,300 gallons) and preferably 2/3 of the required volume (8,400 gallons). Your 1,500 gallon septic tank will not give any time for solids to settle with a flow volume as your facility has. The solids will be flushed into your leach field plugging perforations and sealing off the percolation through the soil causing the same problem of discharging that you have just tried to correct. This undersized septic tank system will have to be remedied this spring. Your leach field may suffer unrepairable damage this winter.
3. The cleanout at the end of your sewer line, where the six new lots were set up, is close to the minimum allowable length of 150 feet and will be allowed. Two manholes are required. One at each change in direction. Manholes require a minimum diameter of 42". Send specifications.
4. The information furnished as to depth of water and sewer lines indicates that your sewer line crosses over the waterline at two locations. The water line should be above the sewer line a minimum of 18 inches from bottom of water line to the top of sewer line. Any other situation shall have the sewer line built to the same specifications as the water line and have no joint located within 10 feet of the water line and be structurally supported. Another alternative would be to encase your sewer line with 4 inches of concrete for a distance of ten feet in both directions from the water line.

5. Minimum state requirements require sewer riser to extend 4 inches above ground surface, surface water or runoff water, whichever is higher. Your risers do not extend this 4 inch distance and are susceptible to sewage collecting between the riser and the steel casing causing a health problem. I will only recommend that the six new sewer risers be upgraded. Below is an approved typical sewer riser cross section:



6. Your water riser is unacceptable as there is a valve located below ground surface. Valves shall be located 4 inches above ground surface, standing water or runoff water, whichever elevation is higher. A typical type of water riser is shown below:



7. Minimum allowable water pressure is 20 psi. Mr. Tresler states that 47 psi is required at the pump to get 20 psi at the last trailer. Your pump operates in the range of 40 to 60 psi as furnished by you. This would indicate at times the pressure could be 13 psi. If your pumps have a pressure setting it should be increased to 50 psi. If not, the 1 1/4" line from the shower house to the change in direction to serve the six (6) new trailers should be replaced by a 2 inch diameter line.

8. Your total peak demand for water supply is 85 gpm. with the two pressure tanks of 260 gallons (of which only 10 to 20 percent can be considered storage), the well pump will be required to have an output almost the same as a peak demand. What is the yield of your well and actual pump output? Additional storage may be required.

Since no work can be accomplished at this time of the year, I would like your comments and/or compliance schedule for a completion date on the above listed items. Should any questions arise, do not hesitate to contact me. I will be in your area during the month of January if you want me to stop.

Sincerely,

Jake Strohman

Jake Strohman
Environmental Engineer
Water Quality Division

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 12, 1975

1. PROJECT: Glendo Park Superintendent's Residence
Water and Sewer Line
2. ARCHITECT OR ENGINEER: Robert J. Drobish, State Recreation Designer
State Recreation Commission
604 East 25th, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-189
4. REVIEWING ENGINEER: Frank R. Harmon, P.E. *Frank R. Harmon*
5. DATE OF REVIEW: November 7, 1975
6. ACTION: Authorized for Construction
7. COMMENTS:

FRH/jb

cc: Malcolm Crawford, District Sanitarian, Gillette



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 26, 1981

C.E. Wolff
Silver King Mines, Inc.
P.O. Box 560
Casper, WY 82602-0560

Dear Mr. Wolff:

Water Quality Division recognizes that Silver King Mines, Inc. has taken over the operation of facilities previously permitted by United Nuclear Corporation. The Water Quality Division permit numbers are listed below:

- 79-399R - North Morton Ranch Golden Eagle Mine
- 78-85RR - South Morton Ranch Mine
- 78-86R - North Morton Ranch
- 76-377 - South Morton Ranch
- 75-191 - North Morton Sanitation Facility

Sincerely,

Jake Strohman
Engineering Control Supervisor

JS/nc

cc: Tom Mueller, DEQ/WQD, Sheridan



Silver King Mines, Inc.

~~XXXXXXXXXXXXXXXXXXXX~~
~~RAIL LAKE CITY, UTAH 84111~~
~~801 X 821 382 X~~

P. O. Box 560
Casper, Wyoming
82602-0560

September 21, 1981

DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002

Attn: Mr. William L. Garland
Administrator

RE: Permit Transfer Request
Permit No. 75-191

Dear Mr. Garland:

Silver King Mines, Inc. hereby declares that it is the new permanent operator of the Morton Ranch Project located north of Douglas, Converse County, Wyoming.

Silver King Mines, Inc. has reviewed and hereby adopts the original Permit No. 75-191 issued to United Nuclear Corporation, Mining and Milling Division, on November 14, 1975 by the Wyoming Department of Health and Social Services and approved by the Water Quality Division; and hereby agrees to operate in accordance with the described plans; comply with all the terms and conditions; and perform all obligations of said permit (copies attached).

We trust this information will meet your requirements. Please advise at your earliest convenience if additional information is desired.

Silver King Mines, Inc. will comply with all rules and regulations of the Water Quality Division and looks forward to a long lasting cooperative relationship. We request the transfer to be effective October 1, 1981.

Very truly yours,

C. E. Wolff
Resident Manager
Morton Ranch Project

CEW:meo
Attachment

cc: R. M. Caywood
P. A. Crowell
A. W. Woods
R. L. Morley

R. J. Mullin
L. L. Snell
R. E. Sundin (DEQ)
M. R. Central File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

1. PROJECT: North Morton Sanitation Facility
Converse County
2. ARCHITECT OR ENGINEER: Robert L. Streeter, P.E., United Nuclear Corporation
Mining & Milling Division, Box 2996, Casper, Wyo. 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-191
4. REVIEWING ENGINEER: Jake Strohman, Art Williamson, P.E.
Art Williamson
5. DATE OF REVIEW: November 12, 1975
6. ACTION: Construction Authorized (see Comments)

7. COMMENTS:

Any road crossing of the sewer line should have the sewer line encased for structural support due to the depth of burial.

This permit will be issued for the full retention pond without the septic tanks as no specifications or sizes for septic tanks was furnished. Should septic tanks be utilized, sizes and specifications shall be furnished to this department.

Eight-inch sewer line is usually the minimum diameter allowed, but I will allow the six-inch line due to the hydraulic load imposed on this line. However I would strongly recommend a manhole be installed between the building and the manhole preceeding the lagoon. Maximum distance between manholes is 400 feet. With your six-inch line, there are possible problems with solids collecting and clogging the line. Installation of another manhole would make maintenance much easier should problems arise.

Although state law does not require that your water supply design and construction be approved before construction at this time, there is a strong possibility that this law will be changed to reflect the limitations of the Federal Safe Drinking Water Act which states "Any water supply serving ten or more service connections or twenty-five people is considered public" and would require a permit. (At present, the Wyoming Law definition of a public water supply does not include "or twenty-five people".) At the time this change is made, your facility may require upgrading. A review at this time should save any later rework which may be required.

JS/jb

cc: Malcomb Crawford

UNITED NUCLEAR
CORPORATION

November 7, 1975

MINING AND MILLING DIVISION
WYOMING OPERATIONS
P.O. BOX 2996
CASPER, WYOMING 82601
(307) 265-6447

Mr. Arthur E. Williamson
Water Quality Administrator
Department of Environmental Quality
State Office Bldg. West
Cheyenne, Wyoming 82002

Dear Mr. Williamson:

Pursuant to Wyoming Compiled Statute 35-502.18, United Nuclear Corporation hereby applies for a permit to construct a sewage disposal system at its North Morton Ranch Mine site, Converse County Wyoming.

The proposed sanitary facility will serve a crew estimate to reach 130 persons by 1978 with maximum usage on a five day week basis. Initial usage will begin shortly after completion and be limited to no more than 50 persons at that time.

The attached drawing outlines the plans and specifications of the proposed facility as developed in cooperation with, and reviewed by Mr. Robert L. Streeter, Registered Professional Engineer, State of Wyoming.

Should any additional information be necessary for the issuance of the requested permit please contact me at once as construction is awaiting your approval.

Very truly yours,

UNITED NUCLEAR CORPORATION
MINING & MILLING DIVISION

A. W. Woods
A. W. Woods, Resident Manager
Wyoming Operations

AKW/bm

Enclosures

UNC MINING AND MILLING SERVICES, INC.



Subsidiary of United Nuclear Corporation
A **UNC RESOURCES** Company

P. O. Box 2996
Casper, Wyoming 82602

Telephone 307/358-5112

September 21, 1981

Department of Environmental Quality
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002

ATTENTION: Mr. William L. Garland, Administrator

RE: Permit Transfer Request Permit No. 75-191

Dear Mr. Garland:

United Nuclear Corporation and its subsidiary, UNC Mining and Milling Services, Inc., will be replaced by Silver King Mines, Inc. as the permanent operator for TVA at the Morton Ranch Project located north of Douglas, Converse County, Wyoming. To facilitate this change of operators, UNC requests that Permit No. 75-191 issued to United Nuclear Corporation by the Wyoming Department of Health and Social Services be transferred, effective October 1, 1981, to Silver King Mines, Inc., as permanent operator for TVA.

We believe that United Nuclear Corporation and its subsidiary, UNC Mining and Milling Services, Inc. are in full compliance with the above-referenced permit, and unless we are notified to the contrary UNC will understand that as of the date of transfer of this permit the State of Wyoming acknowledges UNC's full compliance. We would also request a written release from you, effective October 1, 1981 releasing UNC of any obligations or liabilities to the State of Wyoming under the permit upon transfer of the permit.

Very truly yours,

A handwritten signature in cursive script, appearing to read "P. A. Crowell", written in dark ink.

P. A. Crowell
Project Manager
Morton Ranch Project

PAC/bew

cc:

UNC
A. W. Woods
M.R. Central File
Transition File

SKM
C. E. Wolff

UNC
R. L. Morley
R. J. Mullin

6-1-75

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

1. PROJECT: North Morton Sanitation Facility
Converse County
2. ARCHITECT OR ENGINEER: Robert L. Streeter, P.E., United Nuclear Corporation
Mining & Milling Division, Box 2996, Casper, Wyo. 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-191
4. REVIEWING ENGINEER: Jake Strohman, Art Williamson, P.E.
Art Williamson
5. DATE OF REVIEW: November 12, 1975
6. ACTION: Construction Authorized (see Comments)
7. COMMENTS:

Any road crossing of the sewer line should have the sewer line encased for structural support due to the depth of burial.

This permit will be issued for the full retention pond without the septic tanks as no specifications or sizes for septic tanks was furnished. Should septic tanks be utilized, sizes and specifications shall be furnished to this department.

Eight-inch sewer line is usually the minimum diameter allowed, but I will allow the six-inch line due to the hydraulic load imposed on this line. However I would strongly recommend a manhole be installed between the building and the manhole preceding the lagoon. Maximum distance between manholes is 400 feet. With your six-inch line, there are possible problems with solids collecting and clogging the line. Installation of another manhole would make maintenance much easier should problems arise.

Although state law does not require that your water supply design and construction be approved before construction at this time, there is a strong possibility that this law will be changed to reflect the limitations of the Federal Safe Drinking Water Act which states "Any water supply serving ten or more service connections or twenty-five people is considered public" and would require a permit. (At present, the Wyoming Law definition of a public water supply does not include "or twenty-five people".) At the time this change is made, your facility may require upgrading. A review at this time should save any later rework which may be required.

JS/jb

cc: Malcomb Crawford

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

- 1. PROJECT: West Douglas Mobile Home Court (186 units)
Owner: Updike Bros., Inc., P. O. Box 610, Newcastle, Wyo. 82701
- 2. ARCHITECT OR ENGINEER: Mickey Yamashiro, P.E., Nelson Engineering
P. O. Box 1141
Jackson, Wyoming 83001
- 3. SANITARY ENGINEERING SERVICES REF. NO.: 75-192
- 4. REVIEWING ENGINEER: Jake Strohman, & Art Williamson, P.E.
Art Williamson
- 5. DATE OF REVIEW: November 11, 1975
- 6. ACTION: Construction is not authorized.
- 7. COMMENTS:

The following items will have to be incorporated into plans and specifications in addition to a letter of acceptance for water and sewer from the City of Douglas.

- 1. A note stating all water lines in mobile home court are to be a complete loop with no dead ends.
- 2. Show thrust block locations and sizes on water distribution system.
- 3. Send detail of cleanouts and show locations on plan sheet.

cc: Malcomb Crawford

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: West Douglas Mobile Home Court (186 Units)
Owner: Updike Brothers, Inc. P.O. Box 610 Newcastle, Wyoming 82701

ARCHITECT OR ENGINEER: Mickey Yamishiro, P.E.

Nelson Engineering
Box 1141
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 75-192R

REVIEWING ENGINEER: Jake Strohman, Arthur E. Williamson, P.E.

DATE OF REVIEW: March 12, 1976

ACTION: Construction Authorized (See Comments)

COMMENTS:

The cleanouts shall be installed with a spacing as close to 150 feet between manhole and cleanout as possible. We will grant a variance up to 180 feet spacing as we realize your design is utilizing the location of an existing sewer mainline. However, anything over 175 feet shall have a manhole installed as the same 150 feet requirements exists on municipal streets which would have less connections for the distance than this mobile home park.

cc: Al Strassle, Converse County Planning Office, 130 South 3rd Street,
Douglas, Wyoming 82633

Malcolm Crawford, Gillette, Wyoming 82716

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 12, 1975

1. PROJECT: City of Lander Well Specifications Exhibit "A", and Water Well Casing Specifications, Exhibit "B"; Lander, Fremont County, Wyoming 82520
2. ARCHITECT OR ENGINEER: none indicated
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-193
4. REVIEWING ENGINEER: Robert H. Pinther *Robert H. Pinther*
5. DATE OF REVIEW: 11-10-75
6. ACTION: Construction not authorized pending compliance with the obligatory comments set forth below.
7. COMMENTS:
 1. The specifications shall bear the seal or signature of an engineer who is registered to practice in Wyoming.
 2. No pit shall be located within 10 feet of the well.
 3. Both the surface casing and the production casing shall be of new or new-like materials, free of pits and breaks.
 4. For maximum well life under all operating conditions the production casing should have a minimum thickness of 0.322 inch.
 5. Both the surface casing and the production casing shall extend at least 6 inches, and preferably 12 inches, above the wellhouse floor, which, in turn, shall be at least 6 inches above the ground level established at the well.
 6. A water-tight seal shall be provided between the surface casing at the production casing at the top.
 7. The surface casing shall be surrounded by a minimum of 4 inches of grout to a depth of at least 10 feet below the surface of the ground.
 8. All water used in connection with the well drilling operation shall be from a safe source approved by this Department.
 9. The well shall be protected against the entrance of contamination during construction and prior to being placed in service.
 10. A sanitary toilet facility for construction workers shall be provided on the well site at a distance of at least 100 feet from the well under construction.

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November 12, 1975

Ref. No. 75-193

Robert H. Pinther - Reviewing Engineer

City of Lander Well Specifications and Water Well Casing Specifications
(Construction Not Authorized)

11. Water samples collected for chemical analysis should be handled and tested in the following manner:

- a. Collected in clean jars supplied by the testing laboratory.
- b. Tested without undue delay.
- c. Determine the pH in the field immediately after each sample is collected.
- d. Examinations should be made for hydrogen sulphide and methane when the presence of these gases is suspected.

NOTE: Samples may be submitted to Mr. Mike Purko, State Chemist, Wyoming Department of Agriculture, P.O. Box 3228, Laramie, Wyoming, 82070. Request analysis to determine compliance with the Federal Drinking Water Standards and explain the necessity of an early report.

12. Prior to being placed in service the well shall be flushed until clear and disinfected by contact for at least 24 hours with a water solution containing at least 50 parts per million available chlorine.

13. The water delivered to the distribution system shall have been chlorinated at least 20 minutes prior to entering the distribution system and contain a chlorine residual of at least 1.0 part per million.

14. Plans and specifications covering the well house, discharge piping, and transmission line shall be reviewed by this Department and construction authorized prior to start of construction.

RHP/jb

cc: Bill Garland, Area Engineer

Bill George, District Sanitarian, Worland, Wyoming 82401

C.E. Spurlock, City Engineer, 150 N. 3rd, Lander, Wyoming 82520

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: City of Lander, Well Specifications Exhibit "A" and Water Well Casing Specifications, Exhibit "B", Lander, Fremont County, Wyoming

ARCHITECT OR ENGINEER: B. W. Allen, Box 2352, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 75-193R

REVIEWING ENGINEER: Robert H. Pinther, P.E.

DATE OF REVIEW: February 4, 1976

ACTION: Construction Authorized with the understanding that compliance will be made with the comments set forth below:

COMMENTS:

This review covers the "Drilling Agreement" "Exhibit A, City of Lander Water Well Specifications," "Exhibit B, City of Lander Water Well Casing Specifications," a letter of December 15, 1975 to the reviewing engineer from Mr. C. E. Spurlock, City Engineer, and a letter of December 3, 1975 from Edward St. Onge, Geologist, Layne-Western Company, Inc. to the City Engineer.

1. No pit shall be located within 10 feet of the well.
2. Both the surface casing and the production casing shall be of new or new-like materials, free of pits and breaks.
3. Both the surface casing and the production casing shall extend at least 6 inches, and preferably 12 inches, above the wellhouse floor, which, in turn, shall be at least 6 inches above the ground level established at the well.
4. A water-tight seal shall be provided between the surface casing and the production casing at the top.
5. The surface casing shall be surrounded by a minimum of 4 inches of grout to a depth of at least 10 feet below the surface of the ground.
6. All water used in connection with the well drilling operation shall be from a safe source approved by this Department.
7. The well shall be protected against the entrance of contamination during construction and prior to being placed in service.
8. A sanitary toilet facility for construction workers shall be provided on the well site at a distance of at least 100 feet from the well under construction.

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February 5, 1976

Ref. No. 75-193R

Robert Pinther - Reviewing Engineer

City of Lander Well Specifications and Water Well Casing Specifications
(Construction Authorized with comments.)

9. Water samples collected for chemical analysis should be handled and tested in the following manner:

- a. Collected in clean jars supplied by the testing laboratory.
- b. Tested without undue delay.
- c. Determine the pH in the field immediately after each sample is collected.
- d. Examinations should be made for hydrogen sulphide and methane when the presence of these gases is suspected.

NOTE: Samples may be submitted to Mr. Mike Purko, State Chemist, Wyoming Department of Agriculture, P.O. Box 3228, Laramie, Wyoming, 82070. Request analysis to determine compliance with the Federal Drinking Water Standards and explain the necessity of an early report.

10. Prior to being placed in service the well shall be flushed until clear and disinfected by contact for at least 24 hours with a water solution containing at least 50 parts per million available chlorine.
11. The water delivered to the distribution system shall have been chlorinated at least 20 minutes prior to entering the distribution system and contain a chlorine residual of at least 1.0 part per million.
12. Plans and specifications covering the well house, discharge piping, and transmission line shall be reviewed by this Department and construction authorized prior to start of construction.

RHP/js

cc: Bill Garland, Area Engineer
Bill George, District Sanitarian, Worland, Wyoming 82401
C.E. Spurlock, City Engineer, 150 N. 3rd, Lander, Wyoming
Attn: Paul Freese, City Clerk-Treasurer
City of Lander

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

November 25, 1975

PROJECT: West Side Mobile Home Court, Lewis Subdivision, Brooks Water & Sewer District
Natrona County

ARCHITECT OR ENGINEER: Frank Luers, Western Engineers & Architects, Inc.
2111 E. Second St., Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 75-194

REVIEWING ENGINEER: Jake Strohman, Paul Schwiager, P.E. *PS*

DATE OF REVIEW: November 24, 1975

ACTION: Construction Authorized

COMMENTS:

In designing future facilities, we would recommend a design to minimize water-sewer line crossovers (ie. put sewer or water line through alley).

JS/jb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Switzer Subdivision, water and sewer lines, Dayton, Sheridan County.

ARCHITECT OR ENGINEER: VTN., 330 North Main Street, Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 75-195

REVIEWING ENGINEER: Roy E. Prior, ^{REJ} Frank R. Harman P.E. *Frank R. Harman*

DATE OF REVIEW: December 30, 1975

ACTION: Not authorized for construction

COMMENTS: The following information is needed to evaluate the permit

- A. Details on water and sewer tapping
- B. Details on the 2 inch line serving the subdivision
- C. Details on valving
- D. 160 class pipe is not acceptable for fire service.
- E. A 6 inch diameter pipe is the minimum size that will be allowed for fire hydrants.
- F. Manholes are required in changes of direction of sewer lines
- G. Clean outs or manholes are required at the end of sewer lines.
- H. Why is the sewer line routed the way it is?
- I. Blow off valve is not adequate - must be terminated above ground level with protection of the potable water.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Switzer Subdivision, Water and Sewer lines

ARCHITECT OR ENGINEER: VTN, 330 North Main Street, Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 75-195R

REVIEWING ENGINEER: Roy E. Prior, *Robert H. Pinther*, Robert H. Pinther, P.E.

DATE OF REVIEW: March 12, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- A. The water lines must meet 10 State Standards
i.e.: 1. 6" diameter or greater. The 2" diameter line must
be replaced if used as a source of water for this
subdivision.
2. Pipe must meet AWWA C900 specifications (10 State
Standards)
- B. Where is the Tongue River or other streams in relation to the
water and sewer lines?
- C. 10 State Standards require a minimum of 8 inch diameter sewer
lines on all collection lines.
i.e.: Collection line is any line that serves 2 or more service
taps.
- D. Septic tanks are not to be used for manholes.
- E. What is the size of the sewer line that the subdivision is
being tapped into? There should be a drop inlet at this
manhole.
- F. Blowoff valve should have a minimum of 6" clearance.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Switzer Subdivision, Water and Sewer Lines

ARCHITECT OR ENGINEER: VTN, 330 North Main Street, Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 75-195RR

REVIEWING ENGINEER: Roy E. Prior, Paul C. Schwieger, P.E. *RS* *PS*

DATE OF REVIEW: March 25, 1976

ACTION: Construction authorized, see comments.

COMMENTS:

- A. Plans and specifications must be sent to this office for a permit to construct for the replacing of the two inch diameter line with the six inch diameter line.

This line must be replaced before the Switzer Subdivision is put into service.

- B. Please submit two (2) copies of plans and specifications when making application for a permit to construct.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Dubois Water Line Extension - Cedars Additon
Dubois, Wyoming

ARCHITECT OR ENGINEER: Tudor Engineering Company
516 East Main, P.O. Box 230
Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 75-196

REVIEWING ENGINEER: David W. Hill^{DWH}; William L. Garland, P.E. *WLG*

DATE OF REVIEW: January 20, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) Concrete thrust blocks shall be used at all tees.
- 2) Specify operating pressure for system and testing pressure.
- 3) Specify type of joints and packing used.
- 4) Specify normal, high, and low water levels at river crossing if known.
- 5) Pipe shall be of special construction, having flexible watertight joints at underwater crossing.
- 6) Valves and sampling taps shall be available at each end of the river crossing in order that section can be isolated for testing or repair. Valves shall be easily accessible and not subject to flooding.
- 7) Permanent taps should be made for testing and locating leaks in the underwater crossing section.

(5-7 Section 8.7.2. Ten State Standards for Water Works.)
- 8) Specify type of casing used for underwater crossing.
- 9) Expound on river crossing using cofferdams in open trench. Reason?
- 10) Specify on sewer line crossing - water line section shall also be centered.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Dubois Water Line Extension - Cedars Addition
Dubois, Wyoming

ARCHITECT OR ENGINEER: Tudor Engineering Company
516 East Main P.O. Box 230
Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 75-196R

REVIEWING ENGINEER: David W. Hill, ^{DWH} William L. Garland, P.E. *wlg*

DATE OF REVIEW: February 3, 1976

ACTION: Authorized for Construction

COMMENTS:

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

November 25, 1975

PROJECT: Proposed Sewage Disposal System for Knollenberg's Warehouse,
Burns, Wyoming 82053

ARCHITECT OR ENGINEER: Mannon & Associates, P. O. Box 963,
Cheyenne, Wyoming, 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 75-197

REVIEWING ENGINEER: *Frank R. Harmon* Frank R. Harmon, P.E.

DATE OF REVIEW: November 25, 1975

ACTION: Authorized for Construction

COMMENTS:

It is recommended that the ends of the two tile lines be tied together for more efficient functioning of the system.

FRH/jb

cc: Don Pack, Sanitarian, City-County Health Unit
315 West 20th St., Cheyenne, Wyoming 82001

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

November 14, 1975

1. PROJECT: Riverside Truck and Auto Salvage Water Line Extension
Wardwell Natrona County
2. ARCHITECT OR ENGINEER: Lenhart, P.E.
Worthington, Lenhart, & Carpenter
632 S. David St., Casper, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 75-198
4. REVIEWING ENGINEER: Jake Strohman, A. E. Williamson, P.E.
J. Strohman *A. E. Williamson*
5. DATE OF REVIEW: 11/12/75
6. ACTION: Construction Authorized (see compliance item)
7. COMMENTS:

Installation shall meet specifications of Wardwell Water and Sewer District as approved by this office.

JS/jb

dd: Nix Anderson

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Heritage Village Subdivision, Water & Sewer Subdivisions
Campbell County, Gillette, Wyoming

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 117
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 75-199

REVIEWING ENGINEER: Roy E. Prior, *Roy E. Prior* Paul C. Schwieger, P.E. *Paul C. Schwieger*

DATE OF REVIEW: February 18, 1976

ACTION: Construction not Authorized

COMMENTS:

1. Separate specifications for the new water well site between blocks 1 and 9 shall be provided. An alternative to this shall be assurance that the new well site will match the specifications for remodeling of well site #1.
2. The operations and maintenance manual shall be amended to include
 - a. lift station
 - b. air blowers and diffusers
 - c. chlorination equipment
 - d. sludge handling

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Heritage Village Subdivision, Gillette, Campbell County.

ARCHITECT OR ENGINEER: Plains Engineering, Box 117, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 75-199R

REVIEWING ENGINEER: Roy E. Prior, ^{REP.} Paul C. Schwieger, P.E. *PS*

DATE OF REVIEW: February 25, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Heritage Village Subdivision, Gillette, Wyoming, Campbell County

ARCHITECT OR ENGINEER: Plains Engineering, Box 117, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 75-199R

REVIEWING ENGINEER: Roy E. Prior, Paul C. Schwieger, P.E. 

DATE OF REVIEW: March 1, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

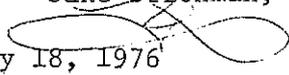
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Dave Johnson Power Plant, Wastewater modifications, Glenrock, Wyoming

ARCHITECT OR ENGINEER: Allen O. Neitzke, P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 75-200

REVIEWING ENGINEER: ~~Jake Strohman~~, Paul Schwieger, P.E. 

DATE OF REVIEW: May 18, 1976 

ACTION: Construction Authorized

COMMENTS: